Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) An arrangement for providing a communication interface between a hybrid fiber coaxial (HFC) network and an in-home communications network, the arrangement comprising:

a home networking gateway disposed to communicate with the HFC network and couple communications to the in-home network, the home networking gateway including a translator for mapping between HFC-based communication protocols and in-home network-based protocols, said home networking gateway for performing device discovery and network management of said in-home network;

a device database coupled to said home networking gateway and comprising configuration files associated with various in-home telecommunication devices; and

a service level agreement database coupled to said home networking gateway and comprising a listing of authorized services for the in-home network, class of service information and quality of service information.

- 2. (Original) The arrangement as defined in claim 1 wherein the home networking gateway comprises:
- a home network interface connection module for supporting a pre-defined inhome communication protocol;
- a voice telephony service connection module, coupled to the home network interface connection module, for providing communication with in-home telephony devices;
- a data service connection module for providing communication with in-home data-based devices;

a cable modem connection module for providing communication with the HFC network;

- a communication bus coupled to each of the voice telephone service connection module, the data service connection module and the cable modem connection module for enabling communication between each module; and
- a translation processor coupled to the communication bus for mapping between communication protocols used by the HFC network and protocols used by the in-home network and providing translated protocols with each transaction.
- 3. (Original) The arrangement as defined in claim 2 wherein the voice telephony service connection module comprises a subscriber line interface circuit (SLIC) connection.
- 4. (Original) The arrangement as defined in claim 2 wherein the data service connection module comprises an Ethernet connection.
- 5. (Original) The arrangement as defined in claim 2 wherein the in-home network protocol is a wireless service protocol.
- 6. (Original) The arrangement as defined in claim 5 wherein the wireless protocol comprises the Shared Wireless Access Protocol (SWAP).
- 7. (Original) The arrangement as defined in claim 2 wherein the in-home network protocol comprises the Home Phoneline Network Alliance (HomePNA) protocol.

- 8. (Original) The arrangement as defined in claim 2 wherein the in-home network protocol comprises the IEEE 1394 FireWire protocol.
- 9. (Original) The arrangement as defined in claim 2 wherein the home networking gateway further comprises an internal battery power supply.
- 10. (Currently amended) The arrangement as defined by claim 2 wherein the home networking gateway further comprises a digital signal processor (DSP) coupled between the voice connection module and the [[in-]]home network interface module to distributed voice signals from said voice communication module into the in-home network through said [[in-]]home network interface module.
- 11. (Currently amended) A method of providing network management for an in-home network of communication devices coupled to an external HFC network through a home networking gateway interface, the method comprising the steps of:

performing, using the home networking gateway, a device discovery process to determine the plurality of devices and services existing in the in-home network; [[and]]

	reporting the discovered information to an inventory management system;
	recognizing at the home networking gateway a service request from an in-
home network device;	
	obtaining authorization for said service from a network management system;
	upon authorization, requesting said service from a call management system
and	
	providing said service to the in-home device.

12. (cancelled)

13. (Original) The method of claim 11 wherein the method is further utilized for bandwidth allocation and comprises the additional steps of

recognizing at the home networking gateway a device request for bandwidth;

obtaining authorization bandwidth from a network management system;

upon authorization, requesting bandwidth from a cable modem termination system (CMTS);

allocating the requested bandwidth on the HFC network; and allocating, through the home networking gateway, the requested bandwidth on the in-home network to the requesting device.

- 14. (New) A home networking gateway disposed as a communication interface between a hybrid fiber coaxial (HFC) network and an in-home network having customer premise equipment (CPE) devices, the home networking gateway comprising:
- a home network interface connection module for supporting a pre-defined inhome communication protocol;
- a voice telephony service connection module, coupled to the home network interface connection module, for providing communication with telephone-based CPE devices;
- a data service connection module for providing communication with databased CPE devices;

a cable modem connection module for providing communication with the HFC network;

a communication bus coupled to each of the voice telephone service connection module, the data service connection module and the cable modem connection module for enabling communication between each module; and

a translation processor coupled to the communication bus for mapping between communication protocols used by the HFC network and protocols used by the in-home network and providing translated protocols with each transaction

15. (New) The home networking gateway of claim 14, having network management functionality, further comprising:

a device database coupled to said home networking gateway, comprising configuration files associated with said CPE devices, whereby device discovery protocols of the in-home network are used by the home networking gateway to discover CPE devices present in the in-home network; and

a service level agreement database coupled to said home networking gateway, comprising a listing of authorized services for the in-home network, class of service information and quality of service information, whereby network resources and delivery of services to the in-home network are managed by the home networking gateway according to the listing of authorized services.